

VLASKALDI, Aleksandr
Port warehouses and their business activities. Medum transp
9 no.12:787-790 D \*63

TEODOSIEVSKI, D.; VLASKI, R.

Epidemiological and clinical characteristics of miliary tuberculosis based on the material of the Skopije Pediatric Clinic. Tuberkuloza 15 no.1:116-119 Ja-Mr '63.

1. Klinika za decje bolesti Medicinskog fakulteta, Skopje.
(TUBERCULOSIS IN CHILDHOOD)
(TUBERCULOSIS, MILIARY)
(STATISTICS)

>

Weasurement of pulse characteristics of nonlinear four-terminal networks. Elektrosviaz 14 no.9168-71 S '60.

(MIRA 13:9)

(Transistors) (Fulse techniques (Electronics))

ACHERKAN, N.S.; YERMAKOV, V.V.; IGNAT'YEV, N.V.; KAUFMAN, L.M.; PUSH, V.E.;
FEDOTENOK, A.A.; KHARIZOMENOV, I.V.; KHRYKOZ, A.M.; VLASKIH, F.S.;
kandidat tekhnicheskikh nauk, dotsent; GANDLER, A.V.; Kändidat
tekhnicheskikh nauk, dotsent; ALEKSEYEV, P.G., kandidat tekhnicheskikh nauk.

"Machine tools" by V.A.Bravichev and others. Reviewed by N.S. Acherkan and others. Vest.mash. 37 no.5:87-91 My '57. (MLRA 10:5)

l.Kafedra "Metallorezhushchiye stanki" Moskovskogo stankoinstrumental'nogo instituta (Acherkan, Yermakov, Ignat'yev, Kaufman, Push, Fedotenok, Kharizomenov, Khrykoz)

(Machine tools)

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50004-05 EMP(z)/EWA(c)/EWT(m)/Emp(b)/T/EWA(t/EMP(w)/EMP(t) ACCESSION NR: AR5015187 (36/ 1/2745/300/305/1059/1059 SOURCE: Ref. zh. Metallurgiya, Abs. 51331 AUTHOR: Baytina, V. K.; Dovgalevskiy, Ya. M.; Vlaskina, K. I. TITLE: Conditions for heat treatment of ANKOTI type alloys CITED SOURCE: Sb. dokl. na Vses. soveshchan'i po litym splavam dlya postoyen. magnitov, 1962. Saratov, 196L, 109-121 TOPIC FAGS: heat treatment, metal hardening, annealing, magnetic field, isothermal treatment, metal physical property, magnetic property, single phase/ ANKOTI alloy, YUNDERS alloy TRANSLATION: Jecommendations are given for optimum hardening avi a temperature of let -12" or up ta(150-4000 at which temperatures the alloy is in a single phase state; 2) cooling to 660-7000 at a critical speed with application of a magnetic field (1500 cereteds); 3) isothermal treatment without application of a mameric diald in the interval 200-61,00 with a colling time of a mameric diald in

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temperature isotherm; and, 4) 7-3-step annealing to 530°. The following values of the magnetic properties were obtained: $R_{\rm T} = {\rm gausses}$ , H = 1500 cersteds, $({\rm NH})_{\rm max} = 4.2 \times 10^6$ gauss-cersteds. (From R. Zf. Elektrotekhnika.	7500	
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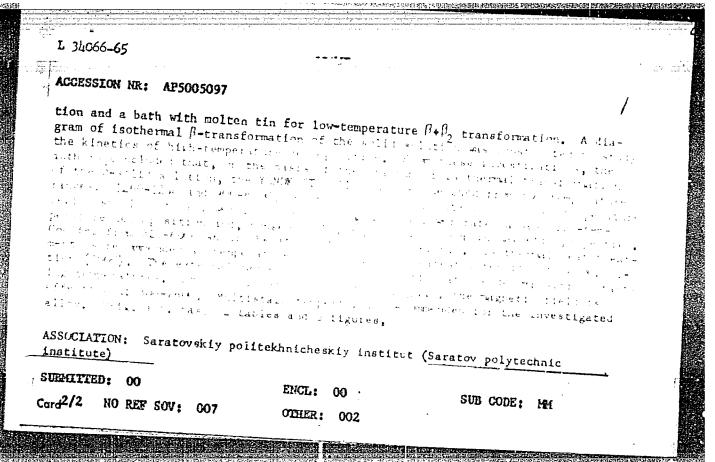
AUTHOR: Baytina, V. K.; Vlaskina, K. I.; Dovgalevskiy, Ya. M.

TITLE: Heat treatment of YuNDK35T5 glloy

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 2, 1965, 11-16, and insert facing p. 41

TOPIC TAGS: alloy heat treatment, alloy phase transformation, alnico al thermomagnetic treatment, phase analysis, magnetic alloy / YuNDK35T5 alloy

ABSTRACT: The article reports the results of a study of the transformations which YuNUK35T5 allow undergoes during heating and couling. The main components of this alloy are Co, Ni; Al; Cu, and Ti, the percentages for which are given for three melts in tabular form. The residual induction, ameritatin, and saturation magnetization were measured. Heat treatment in a magnetic field (thermomagnetic treatment) was accomplished by cooling of the specimen in a special furnace situated in the gap of an electromagnet. The electromagnet provided a magnetic field strength of 1500 persted. The recorded temperators was maintained within Pour the furnace. Leothermal heat treatment pas used to investigate structural transformations. A bath with fused salt was Reed to study high-temperature transforma-Card 1/2



ASHRATOVA, Sof'ya Kemalevna; VLASKINA, Lidiya Sergeyevna; GRACHEVA, A.V., red.; TRISHINA, L.A., tekhn. red.

[New rapid-sewing machines of classes 83, 93, and 49 for the assembly and stitching of Russian leather shoe parts] Novye bystrokhodnye shveinye mashiny dlia sborki zagotovok iuftevoi obuvi 83, 93, i 49 klassov. Moskva, Rostekhizdat, 1962. 119 p.

(Shoe machinery) (MIRA 15:7)

- 1. VLASKINA, V.
- 2. USSR (600)
- 4. Labor Productivity
- 7. To the stendard of the foremost. V pom profaktivu Nc. 2 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ACC NR: AP6021572

(A)

SOURCE CODE: UR/0131/66/000/003/0059/0061

AUTHOR: Nazarenko, N. D.; Vlasko, N. I.; Tikush, V. L.; Skryabinskaya, I. V.

ORG: Institute of Materials Research, AN UkrSSR (Institut Problem Materialovedeniya, AN

TITLE: Superduty nonfired refractories with magnesium phosphate used as the binder

SOURCE: Ogneupory, no. 3, 1966, 59-61

TOPIC TAGS: refractory, magnesium compound, phosphate, nonclay refractory product

ABSTRACT: Superduty concretes were experimentally produced on using fused-magnesite wastes of electric-heater production and monosubstituted magnesium phosphate. The phosphate was obtained by adding small portions of active MgO to preheated phosphoric acid:

$$MgO + 2H_3PO_4 \rightarrow Mg (H_2PO_4)_2 + H_2O$$

and evaporating the solution until a dry residue remained. This residue, dry monosubstituted magnesium phosphate, was added as the binder to the charge. Specimens of the resulting material were immediately pressed in semi-dry form in a hydraulic press and dried, first in

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ACC NR. AP6021572	2		7	•		
he strength of the ind to 1700°C in a lastance of the spe markedly when the	-110°C (when the final material). The dry se Kryptol furnace. Find cimens after heating by are heated at 1200-the production of rangel.	dings indicate at 900°C is s	that the mi- ufficiently h material thu	nimum; spalligh, and that a developed r	ing re- it increases nay be prima as (including	rily
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ASKINAZI, Kh., inzh.; VLASKO, Yu., inzh.

Operational requirements of motor vehicles used for container transportation. Avt.transp. 40 no.1:14-16 Ja '62. (MIRA 15:1) (Tractor trains)

PANKIN, M.; VIASKO, Yu. Requirements of metal-transporting vehicles. Avt.transp. 39 no.10:13-15 0 '61. (MIRA 14:10)

39 no.10:13-15 0 '61.

1. Glavmosavtotrans i Nauchno-issledovateliskiy institut avtomobil'nogo transporta. (Truck trailers)

CIA-RDP86-00513R001860230004-7" APPROVED FOR RELEASE: 03/14/2001

	VIASKO, Yu.					
	Motor vehicles for the transportation of building materials.  Avt.transp. 40 no.3:26-28 Mr '62. (MIRA 15:2)  (Building materials—Transportation)					
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PONIZOVKIN, A.N.; SHURKINA, V.S.; KUZNETSOV, V.A.; TUZOVSKIY, I.D.; ETMANOV, S.Ya.; VINOCRADOV, V.V.; YLASKO, Yu.M.; CRINEERG, P.I., red.; BODANOVA, A.P., tekhn. red.

[Brief handbook on motor vehicles] Kratkii avtomomibl'nyi spravochnik. Izd.4., perer. i dop. Moskva, Avtotransizdat, 1963. 311 p. (MIRA 17:1)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Laboratoriya gruzovykh avtomobiley i
avtopoyezdov Nauchno-issledovatel'skogo instituta avtomobil'nogo transporta (for all except Grinber, Bodanova).

(Motor vehicles)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860230004-7"

A MATERIAL PROPERTY OF THE PRO

BRONSHTEYN, L.A., dotsent; AFANAS'YEV, L.L., dotsent, BASH, M.S., dotsent; VLASKO, Yu.M., inzh.; ZEMSKOV, P.F., inzh.; KRAMARENKO, G.V., dotsent; LEYDERMAN, S.R., dotsent; LIV'YART Ya.A., ispoln.obyazannosti dotsenta; LYUBINSKIY, N.M., inzh.; NAYDENOV, B.F., inzh.; FINKEL'SHTEYN, A.L., inzh.; KHROMOV, A.A., inzh.; CHUDINOV, A.A., inzh.; GOBERMAN, I.M., red.; GALAKTIONOVA, Ye.N., tekhn.red.; DONSKAYA, G.D., tekhn.red.

[Centralized automotive freight haulage] TSentralizovannye perevozki gruzov avtomobil'nym transportom. Pod obshchei red. I.M.
Gobermana. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 206 p. (MIRA 13:9)

1. Moscow. Avtomobil'no-dorozhnyy institut.
(Transportation, Automotive)

Hall to the more results of the state of the

HELOV, V.P.; KOZLOV, B.P.; LESHCHENKO, V.G.; SHMELEV, A.N., kand.
tekhn. nauk, retsenzent; VLASKO, Yu.M., red.; TAIFOVA, A.L.,
red. izd-va; EL'KIND, V.D., tekhn. red.; DEMKINA, N.F.,
tekhn. red.

[Automatically controlled electric drives of textile machinery]
Avtomatizirovannyi elektroprivod tekstil'nykh mashin. Moskva,
Mashgiz, 1962. 371 p.

(Textile machinery—Electric driving)

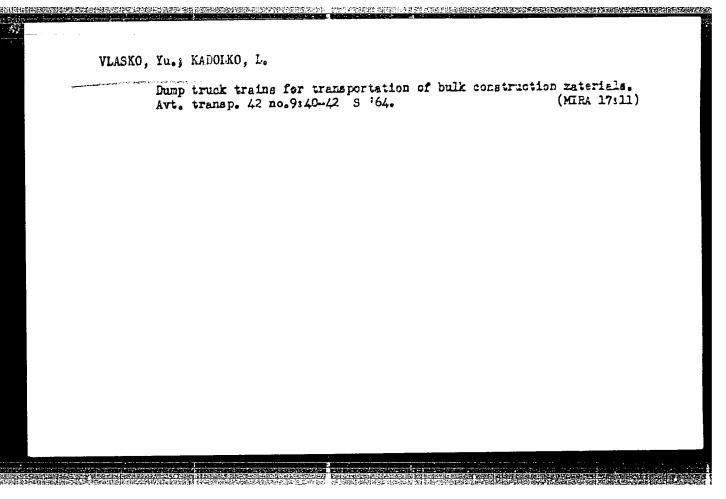
(Automatic control)

AKHPOLOV, I.K., inzh.; VIASKO, Yu.M.

Operational requirements for duny trucks and tractor trains carrying loads of loose materials. Strol. i dor. mash. 9 no.9:22-25 S '64.

(MIRA 17:11)

-	VLASKO, Yu.M., inzh.  Operational requirements for automotive transportation facilities				
	for construction.	Stroi.i dor.mash. 7 no.10:6-9		0 '62. (MIRA 15:11)	
		(Motortrucks)		(MINA ISSII)	
				-	



CHERNYAYKIN, Vladimir Aleksandrovich; VLASKO, Yuriy Mikhaylovich; DUBROVSKIY, Ye.V., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[New Soviet motor vehicles] O novykh otechestvennykh avtomobiliakh. Moskva, Izd-vo "Znanie," 1962. 45 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no.3) (MIRA 15:6)

(Motor vehicles)

YLASKO, Yu.M.; KUZNETSOV, Ye.I.

Operating requirements to supporting brackets of semitrailers.

Avt.prom. 28 no.12:24-25 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.
(Truck trailers)

KIRENSKIY, L. W.; VLASKOV, A. Ya.

Magnetostriction

Temperature hysteresis of magnetostriction, Izv. AN SSSR, Ser. fiz. 16 No. 6, 1952

Monthly List of Russian Accessions, Library of Bongress, June 1953, Uncl.

ASKINAZI, Kh.L., inzh.; VLASKO, Yu.M., inzh.

Automotive transportation of freight for construction. Stroi.i
dor.mash. 6 no.8:4-8 Ag '61. (MTRA 14:8)

(Truck trailers) (Building materials--Transportation)

SIROTENKO, I.; VLASKOV, I.

Use of the exhaust gases of a jet plane engine for drying corn on the cob in the Velichkov grain receiving center. Muk.-elev. prom. 28 no.2:10-11 F \*62. (MIRA 15:3)

1. Direktor Velichkovskogo khlebopriyemnogo punkta (for Sirotenko). (Velichkov--Corn (Maize)--Drying)

DENISENKO, V.I.; VLASNEKO, V.L.

Installation for straightening sides of dump cars. Sbor.rats. predl.vnedr.v proizv. no.5:62-63 '60. (MIRA 14:8)

1. Dnepropetrovskiy metallurgicheskiy zavod imeni Petrovskogo. (Railroads—Equipment and supplies)

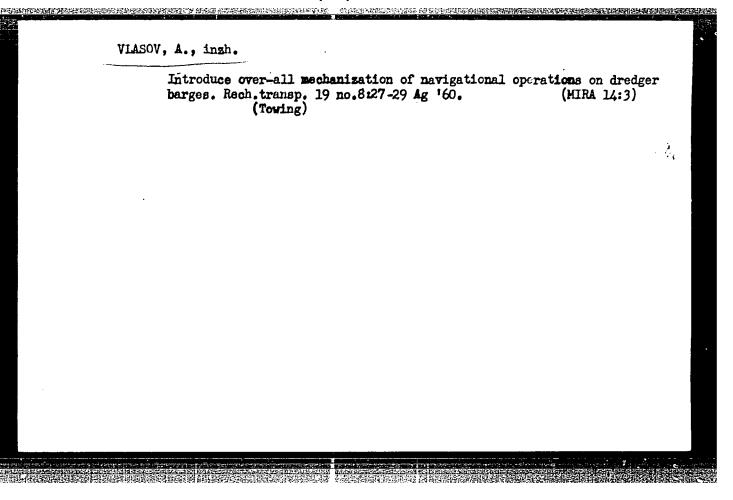
VLASOV, A., inchener-polkovnik.

Induction heating of metals by high-frequency currents. Tankist (MIRA 11:3)

no.5:46-47 My '56.

(Induction heating)

VLASOV, A.	A., inchpolkovnik.		
. }&\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		kist no.1:51-52 Ja '58. 1 spraying)	(MIRA 11:3)
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VLASOV, A., inzh.

Improve the technical operation of the channel dredging and maintenance fleet. Rech. transp. 20 no.8:24-25 Ag '61. (MIRA 14:10)

(Dredging machinery)

VLASOV, A.

Eliminate deficiencies in planning and construction. Fin. SSSR 37 no.8:15-20 Ag ''63. (MIRA 16:9)

1. Nachal'nik otdela Stroybanka SSSR.

(Chemical plants—Design and construction)

VLASOV, A.

Sovetskaia armiia i zheleznodorozhnyi transport. / The Soviet army and railroad transportation /. (Zhel-dor. transport, 1948, no. 2, p. 9-16).

DLC: HE7.25

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

DOLYA, V. (g.Rezekne); VLASOV, A. (g.Sverdlovsk); BULEGA, H. (s.Kurashevtsy, Vinnitskaya obl.); WIRONOV, Ye. (sovkhoz Neyelovo, Smolenskaya obl.); VOLEOV, V. (s.Kazanka, Nikolayevskoy oblasti); BRUDEIN, A. (Khabarovskiy kray)

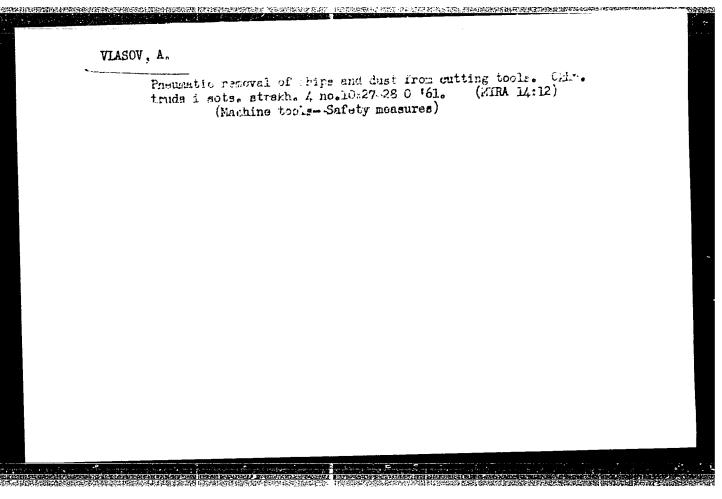
Suggestions of the wire broadcasting workers. Radio no.2:49-50 (MIRA 15:1) f '62. (Wire broadcasting--Equipment and supplies)

VLASOV, A.

Group organizer Aleksandr Kovalenko. Sov.profsoiuzy [8]
no.3:39-40 F '60. (MIRA 13:2)

1. Instruktor orgotdela Voronezhskogo oblacvprofa.

(Voronezh-Turning) (Trade unions)



VLASOV, A.; PODATNOVA, L.

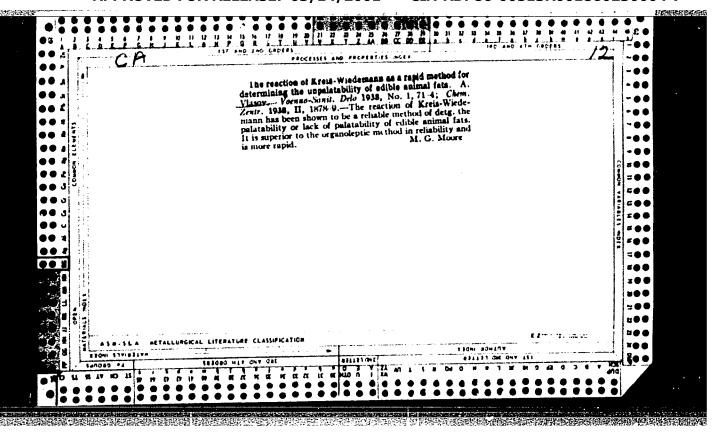
Struggle for industrial hygiene and economic efficiency. Okhr. truda i sots.strakh. 6 no.216-7 F '63. (MIRA 16:2) (Insurance, Social) (Machinery industry—Safety measures)

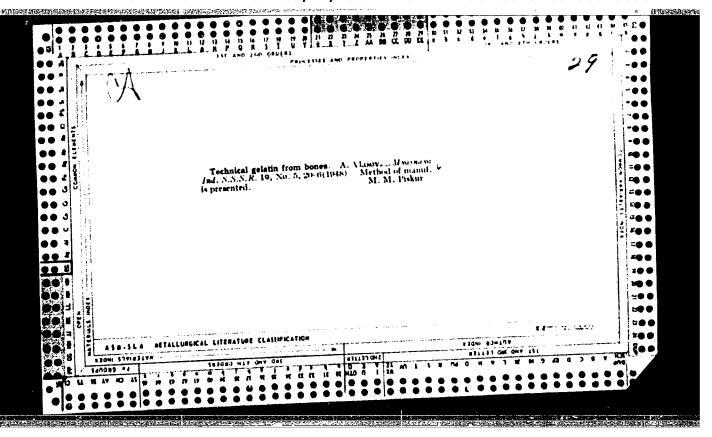
VLASOV, A., inshener.

Mechanized water supply in poultry cages. Mias.and.SSSR 26 ne.6:
21-24 '55. (MLRA 9:2)

1.Temilinekaya ptitsefabrika.
(Peultry--Vatering)

# VLASOV, A., inzhener Number of birds per cage in poultry husbandry. Mias.ind.SSSR 26 no.2: 27-30 '55. (MLRA 8:7) 1. Tomilinskaya ptitsefabrika. (Poultry houses and equipment)



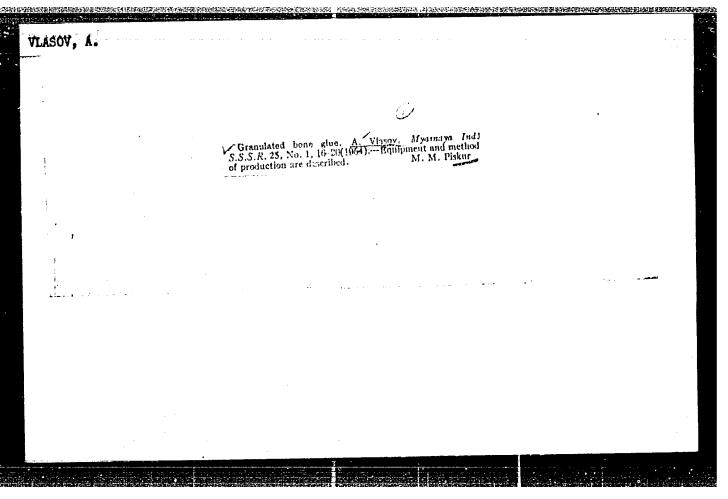


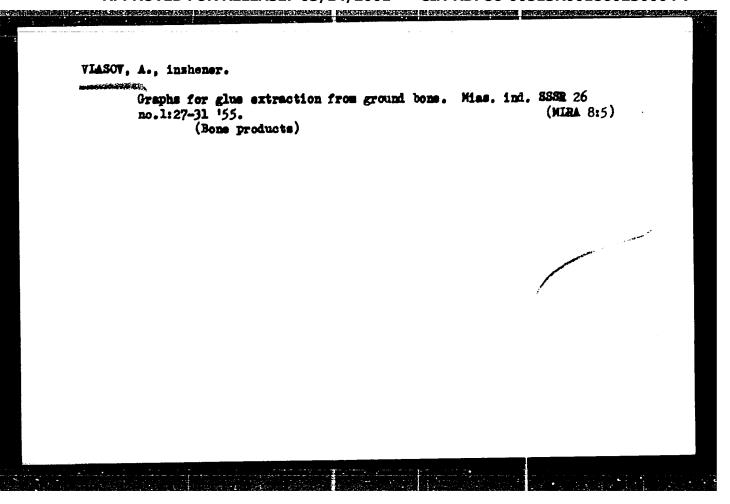
VLASOV, A.

Gelatine

Autoclave method of producing gelatin. Mias. ind SSR 23 No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, September 195%? Unclassified.





# VLASOV, A.

Improving the dredging and maintenance fleet. Rech. transp. 24 mc.8:
35-38 \*65. (MIRA 18:9)

1. Zamestitel' nachal'nika Glavnogo upravleniya vodnykh putey i gidrosooruzheniy.

L 2383-66

ACCESSION NR: AP5022142

UR/0310/65/000/008/0035/0038

AUTHOR: Vlasov, A. (Deputy chief)

TITIE: Developing the technical capacities of the river fleet

SOURCE: Rechnoy transport, no. 8, 1965, 35-38

TOPIC TAGS: inland waterway, shipbuilding engineering

ABSTRACT: The author enumerates and describes the various methods, equipment and goals of the Ministry of the River Fleet (MRF) for improving its ships and expanding vater ways throughout the USSR. Three tables give data on the existing dredges, scoops and derricks. It is stated that 7 construction organizations have participated during the last 8 years in improving and expanding the operations of various branches of the river fleet, and that in the next 5 years it will be necessary to do further research for the improvement of engineering maps, technical procedures, designs, etc., in order to meet the ever increasing demands made on the technical capacities of the fleet. Orig. art. has: 3 tables.

ASSOCIATION: none

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VLASOV, A., inzh. (Vil'nyus); TUCHAS, V. [Tucas, V.], inzh. (Vil'nyus)

Draining and bringing under cultivation peat togs and floodland meadows in Lithuania. Gidr. i mel. 17 no.12:21-28 D '65, (MIKA 19:1)

SAMOYLOVICH, D.M.; BARINOVA, Ye.S.; VLASOV, A.A.; YUKHNOVSKAYA, O.P.

Increase of the sensitivity and development compensation in type "R" emulgions in glued condition. Zhur.nauch.i prikl.fot.i kin. 5 no.2:142-143 Mr-Ap '60. (MIRA 14:5)

1. Zavod tekhnicheskikh plastinok, Moskva.
(Photographic emulsions)
(Photography—Developing and developers)

SAMOYLOVICH, D.M.; BARINOVA, Ye.S.; VLASOV, A.A.; YUKHNOVSKAYA, O.P.

Investigating the sensitivity of emulsion R under various processing conditions. Zhur.nauch.i prikl.fot.i kin. 5 no.1:56-57 Ja-F '60. (MIRA 13:5)

1. Zavod tekhnicheskikh plastinok, Moskva.
(Photographic emulsions--Testing)

VLASOV, A.A., inzh.

New vessels servicing the local needs in economic regions. Rech. transp. 16 no.11:36-38 N '57. (MIRA 10:12)

(Inland water transportation) (Ships)

VLASOV, A.A., inzh.

Organizing repair of the inland water transportation flast.

Organizing repair of the inland water transportation flast.

(MIHA 11:10)

(Ships--Maintenance and repair)

VLASOV, Aleksey Andreyevich; CREBENSHCHIKOV, R.A., inzh., retsenzent; VORONTSOV, S.D., inzh., red.; KAN, P.M., red.izd-va; BODROVA, V.A., tekhn. red.

[Vater-jet propelled river vessels] Rechnye vodometnye suda.

Moskva, Izd-vo "Rechnoi transport," 1962. 156 p. (MIRA 15:5)

(Inladn navigation) (Water jet)

SCV/2156 Bethanization avtomatization of a school of a	th processor; /trudy says obrebon; /trudy says obrebons frocesting of the rion and Automation of Technol- rionaling) Moscow, 1999. 394 p.	SSSR. Institut machinovedeni; ostroyeniya.	stoy; Tech. Ed.: I.P. Kus min. mechanical engineers and	Second Conference on the Over- Industrial Processes, to bullished in three volumes. under the general title, Hot stions described in the book a incomation and Hot Working of Maring and Hot Working and	.M. Örlov; forming - A.I. Tael in; welding - G.A. Mikolayev, lare are 183 references: 142 id 1 French.	TING PROCESSES	of Central Molding-	saigns of Sunblast 50	1.V. Automated Sandblast Molding Machine 56		the Operations of Hydraulic r Knocking out Cores and 86	Automatic Lines of Box 97	Automation of Casting at the Gor'kly Auto-105	DRMING UNDER PRESSURE	Theory and Some of Its 115	Inder Pressure Alloys Inection With Their Mecha- 126	of Automating Rolling 132	
28(1) PHASE I BOOK EXPLOITATION Sovemblohanlys po komplekanoy mekhanlaateal	Avecatizatelys machinostroitel Tukin processor; /trudy aveshchaniza, tom. 1. Coryachay obrabota setallov (Michaelton of Wachino-building Frocessors) Froceedings Conference on Over-All Mechanization and Automation of Technol Ogical Process, 702, 1: Hot Math.Portaing) Moscow, 1959. 394 5,000 coples printed.	Sponsoring Agency: Axademiya nauk 583R. Institut machinovedeniya Komiasiya po tekhnologii mishinosiroyeniya.	Mesp. Ed.: V.I. Dintains, Addressions Compar. Ed. of Publishing House; V.A. Edrov; Tech. FURPOSE: The book is intended for mechanical matallurgists.	COVERAGE: The transactions of the Second Conference on the Over-All Methanization and Automation of Industrial Processes, September 25-29, 1956, have been published in three volumes. This book Wolf, I, contains stitles under the general title, Not Working of Metals. The investigations described in the book were conducted by the Sections for Automation and Not Morking of Metals, under the direction of the following and assisting of Metals.	P.W. Akeenor, D.P. Ivanov and G. A.D. Tomleov and V.T. Meahoher! B.I. Frolov and G.A. Fallov. T. Soviet, 34 English, 6 German, st.	TABLE OF CONTENTS: PART I. AUTOMATION OF CASTING PROCESSES	Mysovskiy, V.S. Over-all Automation of Central Molding-Sand Preparation Systems	. Lesnichenko, V.L. Development of Designs of Molding and Core Machines	-	Yakovlev, V.O. Precision of Large (Their Manufacture	. Nikol'shiy, G.N. Investigation of the Operations of Hy and Sand-Hydraulie Installations for Knocking out Cores Cleaning Castings	· Vlasov, A.A. [deceased] Universal Automatic Lines of Box Casting and Boxless Casting	ri.	PART II. AUTOHATIOM OF METAL PORMING UNDER PRESSURE	·II yushin, A.A. The Plastic Flow The Applications	- Pavidry J.M. Processes of Working Under Pressure Alloys which are Difficult to Deform in Consection With Their Mecha- nization and Automation	Taelikov, A.I. State and Problems of and Drawing Mills	card 4/8

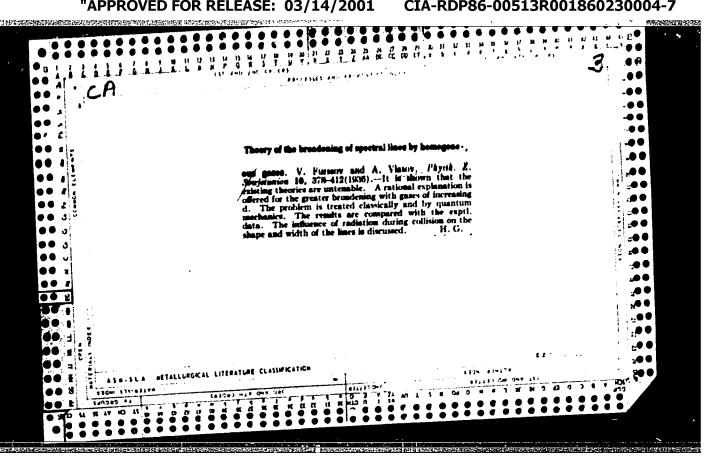
VLASOV, A. A.

"Theory of the Vibratory Properties of Electron Gas," Uchenyye zapiski Moskovskogo gos. un-ta (Scientific Jounnal of Moscow State University), 1935, Issue 75.

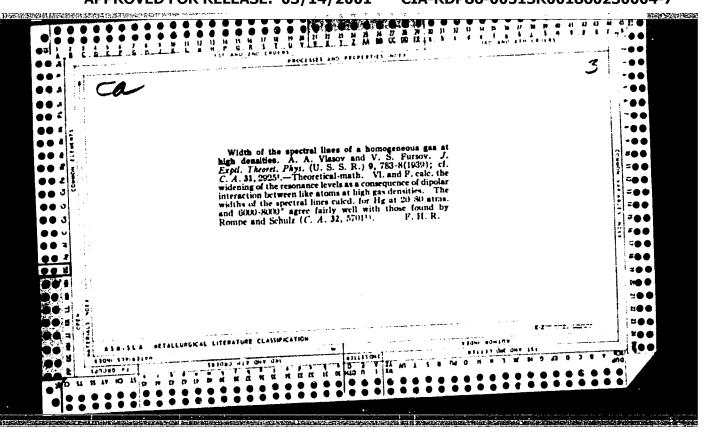
"On the Theory of a Hard Body," "Chenyye zapiski Moskovskogo gos. un-ta (Scientific Journal of Moscow State "niversity), 1935, Issue 77.

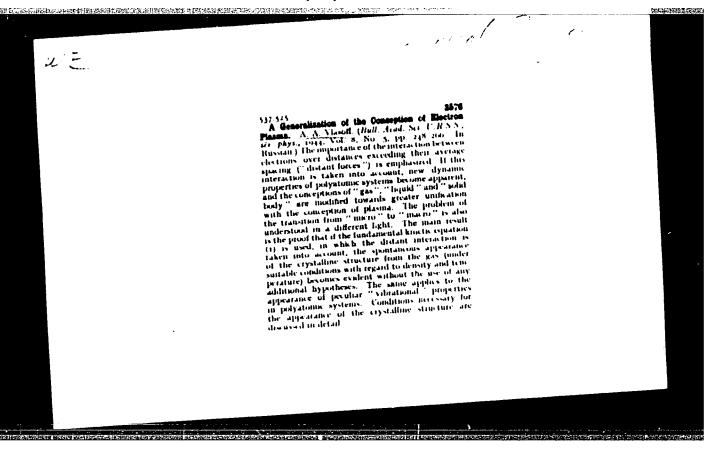
VLASOV, A. A.

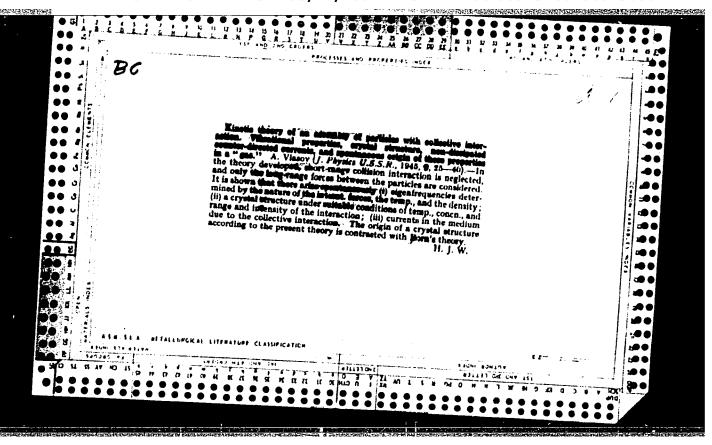
"On the Problem of Numerous Bodies," Uchenyye zapiski Moskovskogo gos.
un-ta (Scientific Journal of Moscow State University), 1935, Issue 77.

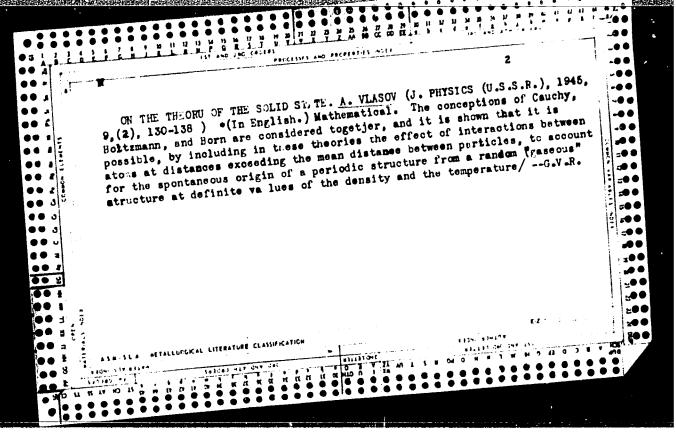


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VLASOV, A. A.

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USSR/Mathematics - Equations, Integral Sep 48
Mathematics - Equations, Linear

"New Outlook on the Problem of Many Particles," A. A. Vlasov, Moscow State U, 16 pp

"Zhur Eksper 1 Teoret Fiz" Vol XVIII, No 9, pp 840-55.

Article has seven parts: fundamentals; fixed constants as problem of strict values for nonlinear integral equations; spectrum of linearized equations; general consideration of derivation of solutions; derivation of solutions from the simple; derivations of solutions from periodics, and special solutions.



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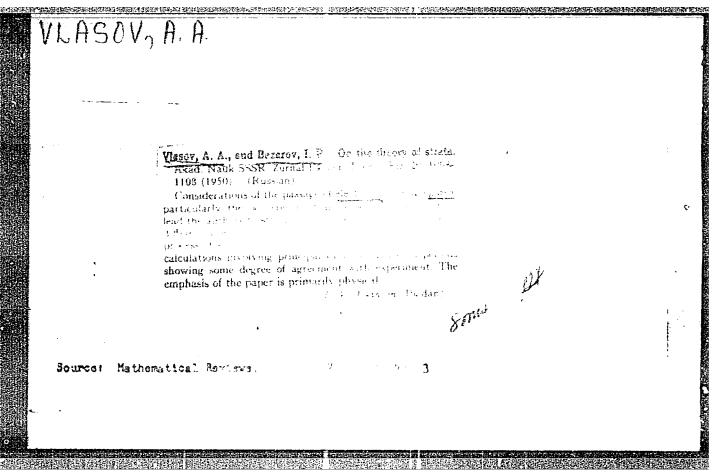
VLASOV, A. A.

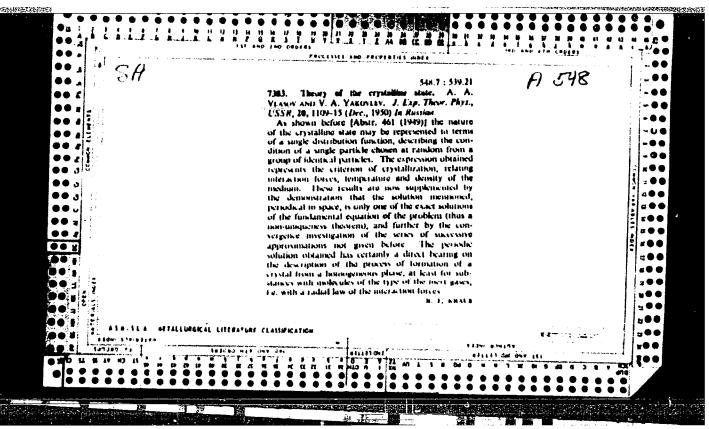
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Teoriia mnogikh chastits. Moskva, Gostekhizdat, 1990. 348 p. Title tr.: Theory of many particles.

QC721.V55

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.





VLASCV, A. A.	1551780	and the laws of their motion and the total collectiveity (collective interaction for arbitrary forces).  Comments on Gfbbsian statistics. Submitted 20 Oct 49	USSR/Fhysics - Particles (Contd) Jan 50	155180	Remarks in response to article by S. V. Tyablikov, in same issue, "Some Comments on the Problem of Many Bodies as Set Up by A. A. Vlasov." Vlasov reaffirms two statements: (a) rejection of the spatial and velocity localization of particles as factor preceding the interaction of forces; (b) consideration of the finite bond of individual properties of particles	"Zhur Eksper i Teoret Fiz" Vol XX, No l	"Theory of Nonlocalized Particles," A. A. Vlasov,	USSR/Physics - Particles Statistical Mechanics	
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V L NOOV, A.A.

USSR/Nuclear Physics - Mass and charge transfer

FD-800

Card 1/1

Pub. 146-13/21

Author

: Vlasov, A. A. The second section of the second section is a particular

Title

Transfer of mass and charge by surface waves

Periodical

: Zhur. eksp. i teor. fiz., 27, 224-242, Aug 1954

Abstract

: The boundary problem of the theory of multiple particles leads to the conclusion of the transfer of matter by surface waves. The developed concept is realized in capillary waves of HeII and in electric surface waves in the electron plasma of superconductors. Nine references in-

cluding 2 foreign.

Institution : Moscow State University

Submitted

: June 18, 1953

VIASOV, Anatoliy Aleksandrovich; GUROV, K.P., redaktor; GAVRILOV, S.S.,

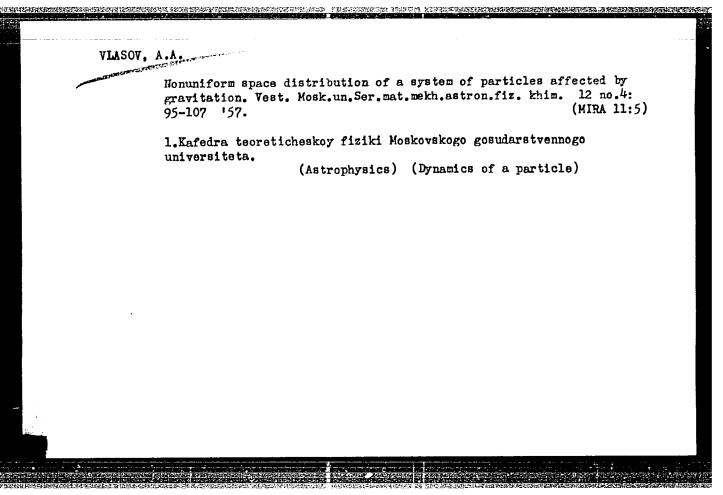
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[Makroskopicheskaia elektrodinamika.

[Moskva, Gos.izd-vo tekhniko-teoret.lit-fy, 1955. 228 p.

(Electrodynamics)

(MIRA 9:3)



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	3	ishchaniye po voptosam kommugonii. Ur Alakticheskya satronomiya i kommolog Kriregalac'te Astronomy and Cosmology' Wiference and Problems of Cosmogony, Ju- res inco. 771 p. Errata alib insert	sering Agency: Akademiya nauk 333R.	of Publishing House: L.V. Sansonenko ako; Editorial Board: D.A. Frank-Eam asor: B.A. Vorontsov-Vel'yaminov, Cor	. A	ERICE: The book is a collection of partialistics participating in a conference of 1957. The papers review recent obtains in extragalactic attendary, gravit shalle, redio astronomy, famile, thereodynatics of the universelections of the universelections of the propers.	aryan, B.Ye. Spiral Galaxy M 101 ynov, D.Ya. Reliability of Observatio lactic Astronomy	ovskiy, V.I. and P.V. Shcheglov. Applitical Methods to Extragalactic Astronomical	ewich, V.V. Discrete Sources of Radio	burg. W.L. Experimental Verification cory of Relativity (Summary of Report)	sov. A.A. Spatial, Non-homogeneous Di	odinskir, A.Ya. Isotropic Models of	Relativity (Surmary of Report)	Honogeneous Universa Irokov, M.F. Theory of Red Shift in Whiling		erdintsev, V.V. Conditions of Pormal	ank-Kamenetskiy, D.A. Origin of Chest Point of Tiew of the Incory of Internation Evolution	enlatekiy, YaF. Froblems of Statisti dynamics of Gravitating Systems	dlis, O.M. Structural Infinity of th Hethgalaxy as a Typical Populated mary of Report	Pickin, I.R. Some Remarks on the Growth of Entropy		dang, dal. General Problems of Cosmology

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CHINA/Nuclear Physics - Physical Base of Nuclear and

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Thermonuclear Technology

Abs Jour

: Ref Zhur Fizika, No 4, 1960, 8227

Author

: Vlasov, A.A.

Inst

Mary and in the second : New Principle of Existence of High Temperature Plasmoids

Title

: Scientia sinica, 1959, 8, No 3, 266-287

Abstract

Orig Pub

: A detailed calculation is given for the influence of four factors on a beam consisting of charged particles of like polarity (ions or electrons). The four factors are : external magnetic field (parallel to the axis of the beam), rotation of the beam (under suitable interpretation), forces of mutual repulsion between particles due to the presence of space charge, and temperature velocity dispersion. Allowance for these factors leads to the presence of a definite stationary state of motion of particles in the beam. This stationary state is

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- 33 -

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CHINA/Nuclear Physics - Physical Base of Nuclear and Thermonuclear Technology

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Abs Jour : Ref Zhur Fizika, No 4, 1960, 8227

characterized by a strongly outlined cylindrical boundary of the beam, the radius of which is found to be not arbitrary, but determined by the foregoing factors. There exists a definite relation between the effective radius, the temperature, and the magnetic field of the beam. Under suitable values of the magnetic fields and the dimensions, one can expact temperatures on the order of  $10^{10}$  -  $10^{12}$ OK. The beam is rotated not with cyclotron frequency, at least on the periphery, but with Larmor frequency. Under definite conditions for the concentration and magnetic field, the beam is stable with respect to variation of these quantities. A jumplike disturbance takes place in the stability (branch points appear) when these conditions are not satisfied.

Card 2/2

VLASOV, A. A.
"The Many Particle Problem and the Acceleration-dependent Distribution Function:"
report submitted for the Intl. Conference on Many-body Problems (IUPAP),  T Utrecht, Netherlands, 13-18 June 1960
Chair of Theoretical Physics, Moscow State Univ.

\$/057/6:/031/007/005/025 B:08/B209

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AUTHOR

Vlasov, A. A

TITLES

Theory of a new plasmoid

Pol-1001 CAL: Zhuzha, teknot deskoy fiziki, v 5% ko 7, 1964, 785- 96

DISERTED STEELS OF DESCRIPTION OF THE PROPERTY OF THE PROPERTY

TEXAT: For a spatially bounded plasma consisting of one kind of charged porticles which are kept together by internal (and external) forces, so called integral onase equations must exist, i.e. completely determined expressions interrelating the linear dimensions of the thashold and the linear characteristics (temperature contextration, magnetic field, etc.). When an external magnetic field is applied a cylindric beam of atomic nuclei with a drift velocity along the tield may be in a plasmoisal state, i.e. stoady otates of particle motic, arise in the beam, in thich the diametral size of the latter is not accordany out determined by the internal and external conditions. A plasmoid appears when three failures presents in ternal magnetic field, proper members of the transfer distribution of the velocities. A plasmoid is characterized by a certain effective radius (depending on temperature, magnetic field, number of revolu-

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tions, and particle concentration). The clasmoidal state must arise suddealy during continuous increase of the magnetic field or the number of revolutions. There is a critical value of the field raion acpends on timcontration and atomic weight of the nuclei. Theory lays down these proporties with sufficient reliability to find a similar plasmoid by experineuts. In some important cases, the frequency of revolution of the plasmo d is determined by the external majoratic field. In these cases, the requency of the revolutions coincides with the Larmor frequency. Under the action of a strong magnetic field or when the concentration is sufficlently low, the plasmordal state is a single steady state characterized by the temperature distribution of the velocities and the finite space charge pur unit length of the beam. Then the ratio of the Language to the Lacmor frequency is sufficiently high, the plasmoidal state vanishes. The consideration of the magnetic field due to the revolution of the plasmoid and to the motion of the particles in the beam does not interfere with the existence of a plasmoid. This field effects a quantitative change in the

integral phase equation, but this effect is small when  $\frac{u^2}{2} \ll 1$  and  $\frac{\theta}{\pi a^2} \ll 1$ .

Card 2/4

Theory of a new plasmoid

S/057/61/031/007/005/021 3108/3209

In the simplest case, the integral phase equation of a plasmoid has the form  $\theta = \frac{m\omega_L^2 D^2}{4} \frac{1}{\psi(\lambda)}$ , where  $\psi(\lambda) = \int\limits_0^\infty x e^{-x^2 + \phi} dx$ . The function  $\phi(x,\lambda)$  is the solution of the following equation:

$$\frac{1}{x} \frac{d}{dx} \left( x \frac{d\gamma}{dx} \right) = \lambda e^{-z^2 + \varphi},$$

$$\varphi (0) = \varphi' (0) = 0$$

$$\left[ \lambda = 2 \frac{\omega_0^2}{\omega_L^2}, \quad \omega_0^2 = \frac{4\pi e^2 \rho_0}{m}, \quad \omega_L^2 = \left( \frac{eH}{2mc} \right)^2 \right].$$

The results of the numerical integration of the function  $\psi(\lambda)$  are given in the Table. This Table shows that the condition for the plasmoidal state,  $\int_{0}^{\infty} xe^{-x^{2}+y} dx < \infty \text{ is satisfied at } \lambda < 4.$  There are 1 table and 4 references: Card 3/4

Theory of a new plasmoid

S/057/61/031/007/005/021 B108/B209

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ASSOCIATION: Kafedra teoreticheskoy fiziki MGU (Department of Theoretical Physics of Moscow State University)

SUBMITTED:

January 20, 1960

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Card 4/4

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THORS: Ylasov. A. A.; Khakimov. F. Kh.	
TLE: Theory of stationary properties o	
URCE: AN SSSR. Doklady*, v. 151, no. 4,	1963, 618-821.
PIC TAGS: ionized plasma, plasma, radia	
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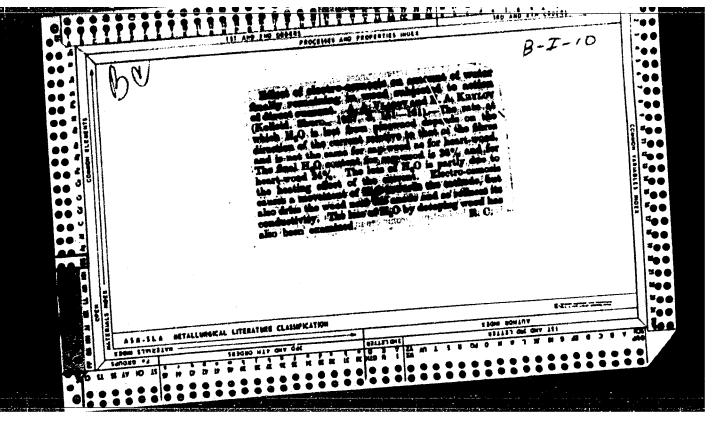
ACCESSION ER: AP3004418  that there is a belt in which the nuclei predominate; while electrons predominate outside of this belt. The solution satisfies the condition of neutrality of the system earth, atmosphere, and the fully ionized earth-surrounding plasma. Orig. art. has: 2 figures and 20 unnumbered equations.  ASSOCIATION: Moskowskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)  SUBMITTED: 04Dec62 DATE ACQ: 21Aug63 EMCL: 00  SUB CODE: PR NO REF SOV: 001 CTHER: 000		en e						
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outside of this belt. The solution satisfies the condition of neutrality of the system earth, atmosphere, and the fully ionized earth-surrounding plasma. Orig. art. has: 2 figures and 20 unnumbered equations.  ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)  SURMITTED: 04Dec62 DATE ACQ: 21Aug63 EMCL: 00	ACCESSION NE	: AP3004418	line, a sign e			- 1		1
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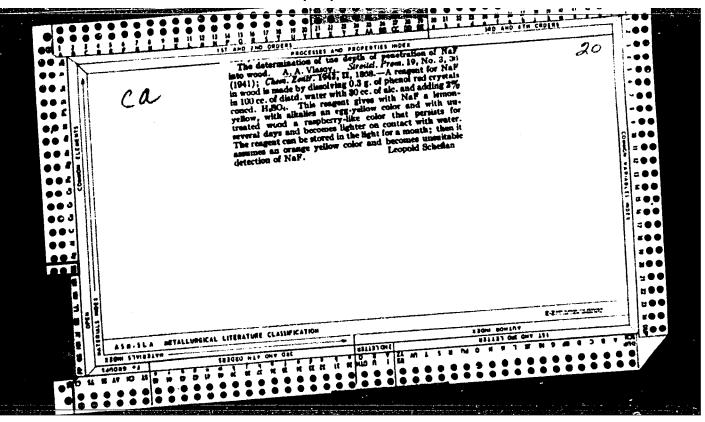
BASHKIROV, Valentin Dmitriyevich, dots., kand. tekhn. nauk;
PUKHOV, Pavel Petrovich, dots., kand. tekhn. nauk;
VLASOV, A.A., inzh., retsenzent; BABURIN, B.B., inzh., retsenzent; VITASHKINA, S.A., red.

[Design of boats of the dredging and maintenance fleet] Ustroistve sudov tekhnicheskogo flota. Moskva, Transport, 1964. 275 p. (MIRA 18:2)

SOURCE CODE: UR/0413/66/000/017/0145/0145 AP6032536 ACC NRE INVENTOR: Andrianov, N. I.; Bersudskiy, Z. Ye.; Vlasov. A. A.; Kovachev, A. A.; Lipets, V. V.; Platonov, V. M.; Seletskiy, Ya. I. TITLE: The inner panel of all-welded aircraft fuel tank-sections. Class 62, ORG: none SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 145 TOPIC TAGS: aircraft fuel tank, aircraft fuel eyetom, fuel tank winframe companist, rui forces afell structure ABSTRACT: The proposed inner parel of all-welded fuel tark-sections has a corrugated lining and cross piece stiffeners. In order to assure increased strength and reliability of the seams, Fig. 1. Fuel tank sections 1 - Longitudinal stiffeners (corrugated lining); 2 - reinforcing plate; 3 - stamped conical bands. 629.13.01/06

t is provided with longitude orrugated lining, having floorrugation where they are jure reinforced by plates and see Fig. 1). Orig. art. has	at sections stamped on oined with the cross palong the ends by con	niere stiffeners. Ti	iese joints
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VLASOV, A. A.

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GRCMOV, V. V. i FOGODINA, I. A.
Sifilidy grotki v praktike oto laringo loga.-Sm. 20148

SO: LETOFIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

VIASOV, A. A.

Vlasov, A. A. "Powdery Mildew of European Spindle Tree (Euonymus europaeus),"

<u>lesnoe Khoziaistva</u>, vol. 5, no. 12, 1952, p. 81. 99.8 L5622

So: SIRA - 90-53, 15 Dec., 1953

VLASOV, Aleksey Alekseyevich; VORONTSOV, Aleksey Ivanovich; PONOMAREVA,
Töknterina Mikolayevna; STROKOV, Vyacheslav Vsevolodovich; FIEROV,
Sergey Konstantinovich; KHRAMTSOV, N. N., redaktor; IL'INSKIY, A.I.,
kandidat sel'skokhozyaystvennykh nauk; MALKOV, A.A.; KOLESNIKOVA, A.P.,
tekhnicheskiy redaktor

[Forest protection] Lesozashchits. Izd.2-oe, perer. Pod obshchei
red. S.K.Flerova. Moskva, Goslesbumizdat, 1955. 438 p.

(MIRA 9:1)

1. Prepodavatel' Khrenovskogo lesnogo tekhnikuma (for Malkov)

(Forests and forestry) (Trees--Diseases and pests)

ACC NR: AM6021066 UR/ Monograph Ylasov, Anatoliy Aleksandrovich Statistical distribution functions (Statisticheskiye funktsii raspredeleniya) Moscow, Izd-vo "Nauka," 1966. 355 p. illus., biblio. Errata slip inserted. 7000 copies printed. TOPIC TAGS: statistical physics, distribution theory, statistical thormodynamics, mechanics, distribution function, function analysis PURPOSE AND COVERAGE: This monograph is devoted to the basic principles of statistical mechanics and its interrelationships with other branches of theoretical physics. It deals with the interrelationships between distribution functions and mechanics, the principle of maximum statistical independence, the interrelationships with electrodynamics, geometry, relativity, theory and other problems. The book is based on lectures on kinetic equations and supplementary topics in statistical physics presented by the author in the Physics Department of Moscow State University. The book may be used by senior students, graduate students, scientists, and engineers who are concerned with problems of theoretical physics.

TABLE OF CONTENTS [abridged]:

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ACC NR:
        AM6021066
Ch. 1.
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VLASOV, A. A.

USSR/Engineering - Foundry, Equipment

Mar 51

"Foundry Suspension Conveyers," A. A. Vlasov, Cand Tech Sci, Gor'kiy Industrial Inst

"Litey Proizvod" No 3, pp 9-11

USSR foundry molding shops are installing suspension-type (pendulum-type) conveyers instead of ground-, or carriage-type conveyers, widely used up to now. Describes construction of these conveyers and discusses their advantages and short-comings.

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L 13953-66 EWT(m)/EWP(1)IJP(c) ACC NR SOURCE CODE: UR/0089/65/019/005/0423/0428 AUTHOR: Bondarev, B. I.; Vlasov, A. D. ORG: none TITLE: A self-consistent particle distribution in the maximum current of a linear accelerator SOURCE: Atomnaya energiya, v. 19, no. 5, 1965, 423-428 TOPIC TAGS: linear acceleration, plasma beam, particle accelerator, proton accelerator, partiele lietablition ÅBSTRACT: The problem concerning the maximum possible particle current in linear proton and heavy ion accelerators has gained in importance in recent years. Some of the earlier authors discussed the problem representing the accelerated plasma blobs in the form of uniformly charged ellipsoids. The present article shows that such a model of uniformly charged ellipsoids represents a self-consistent charge distribution. It was assumed that 1) the transverse particle oscillations may be neglected; 2) the blob is circularly symmetric; 3) the distribution density is constant in the region of the separatrices in the phase plane; and 4) the self-consistency problem is formulated for particles only along the axis of the blob. The proof verifies the known expression for the maximum current within a linear accelerator which is based on such a model. The field of adjacent blobs, the effects due to the walls of the accelerating system, and the charges of electrons and ions within the residual gas were not Card 1/2UDC: 621.384.62

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SUBJECT

USSR / PHYSICS

CARD 1 / 2

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AUTHOR TITLE

VLASOV, A.D.

Focussing with Change of Sign in Linear Accelerators.

PERIODICAL

Atomnaja Energija, 1, fasc. 5, 20.25 (1956)

Issued: 1 / 1957

The present work gives a short description of work performed by the author in 1953-1955. Such problems as focussing with a change of phase, tolerances, deforming effect of space charge, etc. are not dealt with in the present work and must be investigated separately.

Initial Equations; amplitude of oscillations within a structural period: The radial motion of a particle with the mass

 $m_0/\sqrt{1-\beta^2}$ , with the velocity  $v=\beta c$  and with the phase  $\phi$  is described in the XZ plane in linear approximation by the equation  $d/dt(m dX/dt) = F(Z, \varphi).X$ . The gradient of the radial forces is composed of the gradient produced by the lenses and of the gradient of the defocussing forces of the accelerating field. The "kinematic" factor  $\sqrt{L/mv}$  (where L is the half length of the structure period) in accelerators with drive tubes (L~v) is constant in nonrelativistic approximation. In accelerators of similar resonators with one interspace each and also in the case of free oscillations in a cyclical accelerator (L = const) this factor is inversely proportional to the square root of the momentum. The stability range, possibility of focussing with change of sign. The case with the most simple structural period is now investigated, namely an idealized

Atomnaja Energija, 1, fasc.5, 20-25 (1956) CARD 2 / 2 PA - 1753 accelerator with undamped propagated waves and with a rectangular characteristic of the gradient in the lenses. The equation of this problem is  $d^2x/ds^2 + \left[+ \bigwedge^2 - A \sin \phi\right]x = 0$ . The matrices of the focussing and defocussing half-period are given. The upper part of the stability range ( $\Lambda > 1,7$ ) can in practice not be used for this work, and this limits the field strength of the accelerating field for a given  $\beta$ . L and  $\lambda$ . The middle part of the stability range ( $\Lambda = 1,4-1,6$ ) can be used. Decrease of the change of sign of the lenses makes an amplification of the accelerating field possible, but at the same time it requires a reinforcement of the gradient in the lenses.

There follows the computation of the matrices of the composed periods. A method for simplified computation is discussed on the basis of the example of an accelerator with drive tubes. The matrices of the focussing and defocussing lenses and of the interspace between the lenses are explicitly given. In conclusion the modification of the parameters from period to period and the influence exercised by phase oscillations is discussed.

INSTITUTION:

Transverse Radiotekh.	oscillations in the dee system of i elektron.i no.7:903-909 J1 156. (Synchrotron) (Cyclotron)	the synchrocyclotron. (MIRA 10:1)